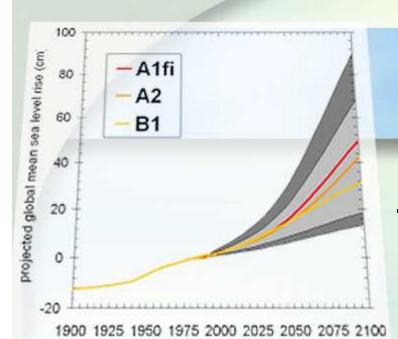
## **Economic and Technology Advancement Advisory Committee**

# AB 32: The California Global Warming Solutions Act of 2006

March 1, 2007
California Air Resources Board



## **Climate Impacts**

#### California Projected Impacts

75% loss in snow pack

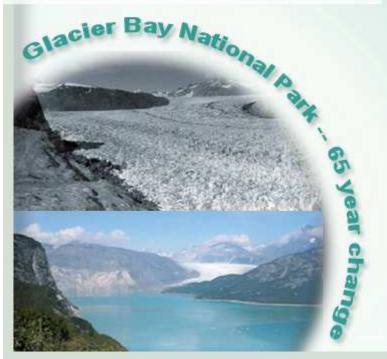
1-2 foot sea level rise

70 more extreme heat days/year

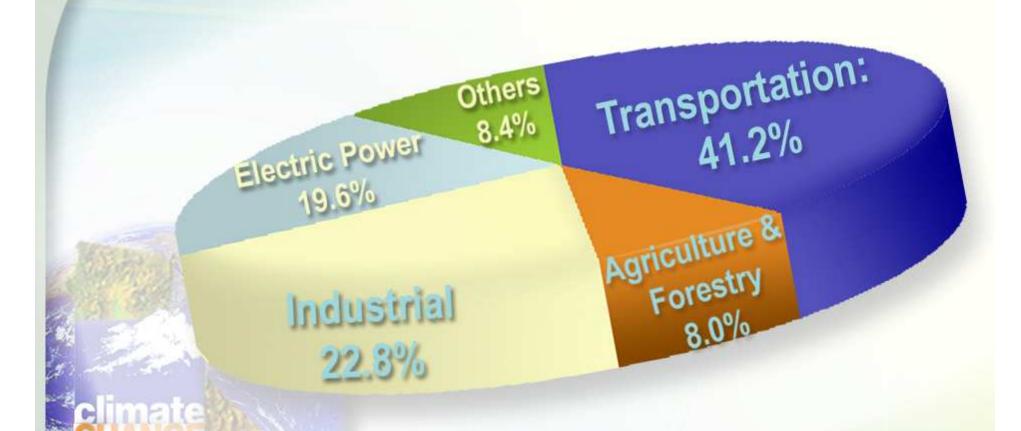
80% more 'likely ozone' days

55% more large forest fires

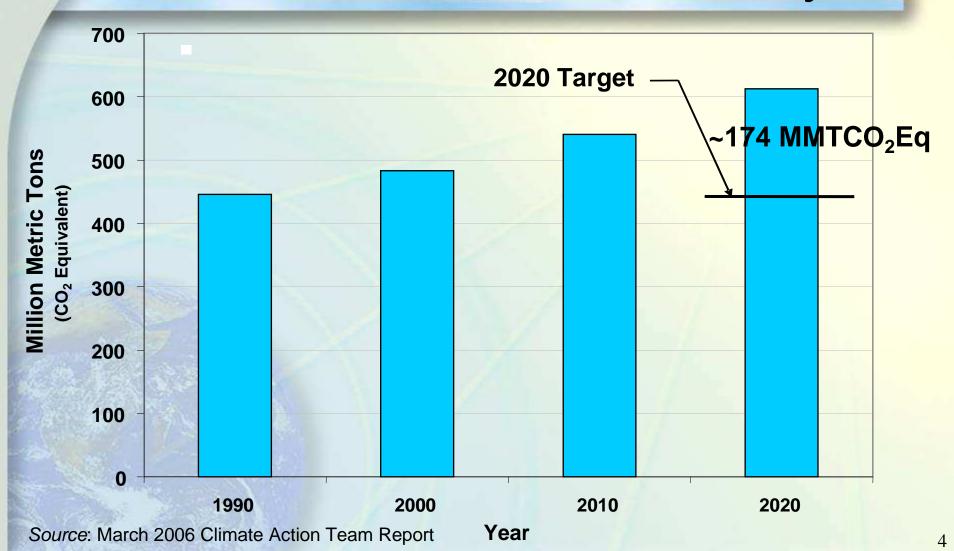
Twice the drought years



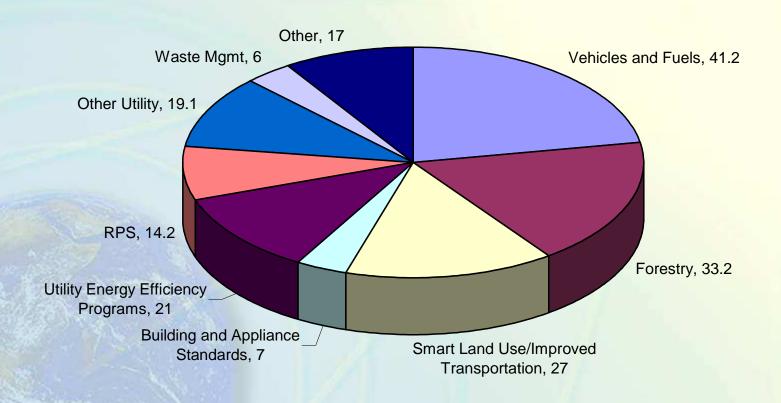
## **California Climate Change Emissions**



# The Magnitude of the Challenge California's GHG Emission Inventory



## **Sources of Potential Reductions** (Million Metric Tons CO2 Equivalent)



Source: March 2006 Climate Action Team Report

#### **Implications**

- Reductions needed across many sources and sectors
- Will be multi-agency effort
  - Climate Action Plan
- Will be mix of near-term and long-term approaches
  - 2020 is not final endpoint

#### **AB 32 Timeline**

1/1/07: ARB maintains statewide inventory

6/30/07: List of discrete early actions

1/1/08: Mandatory reporting of emissions

Adopt 1990 baseline/2020 target

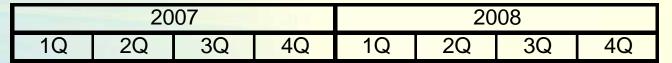
1/1/09: Scoping plan of reduction strategies

1/1/10: Regulations to implement early action

measures

1/1/11: Regulations to implement scoping plan

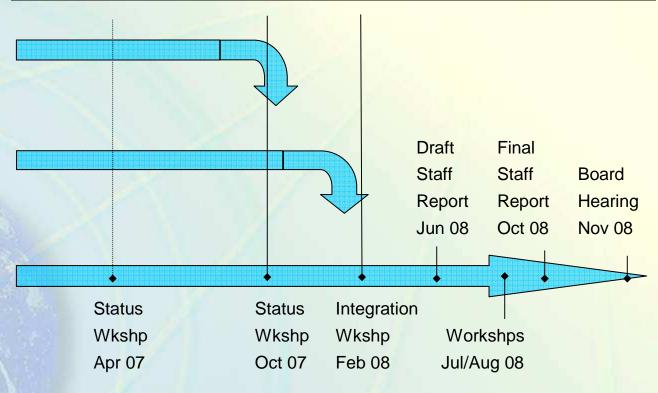
## **Workflow—Scoping Plan Development**



Source and Sector Analysis

Identification of Reduction Measures

Development of Scoping Plan



# **Coordination with Other Initiatives**

#### **Climate Action Team**

- Many GHG reduction activities cut across agency boundaries
- Agencies other than ARB are lead for important components
- Climate Action Team will oversee coordinated effort
- Public meeting March 12, 2007 to discuss plan update
  - Coordinated with AB 32 timing

## Joint Development of Electricity Sector Recommendations

- CPUC and CEC will jointly develop recommendations for AB 32 implementation for entire electricity sector (IOU, muni, other)
- CPUC Phase 2 Carbon Cap proceeding, conducted jointly with CEC, used as forum
- Recommendations will be integrated into broader economy-wide approach
- Timing consistent with ARB process

#### **Market Advisory Committee**

- Committee appointed
- First public meeting February 27
- Will provide recommendations to ARB by June 30
- ARB will review Committee input and consider as part of public process
- ARB responsible for program adoption

### **California Climate Action Registry**

- ARB working closely with CCAR
  - Review of existing protocols
  - Development of new protocols
  - Consultation on reporting issues
- Multi-state registry
  - Multi-state effort underway
  - Active CCAR and ARB participation

#### **Local Government Activities**

- Local governments showing climate leadership
- ARB liaison working to build relationships
- Climate Action Team subgroup established to better define state/local interaction
  - Support for local activities
  - Guidance on possible reduction strategies
  - Quantification/accounting of reductions



# **Environmental Justice Advisory Committee**

- Members nominated by environmental justice and community groups
- To advise ARB on scoping plan and other pertinent matters
- Membership approved at January 25, 2007
   Board meeting
- First meeting TBD

# **Economic and Technology Advancement Advisory Committee**

- Advise ARB on technology research and development opportunities
- Representation from stakeholder groups, academia, technology experts
- Membership approved at January 25, 2007 Board meeting
- First meeting March 1, 2007

#### **Early Action Measures**

- Board to publish list of discrete early action measures by June 30, 2007
- Board must adopt implementing regulations, to be enforceable by January 1, 2010

# **Early Action Measures— Milestones**

- January 22, 2007
  - Workshop on criteria and proposed measures
- March 5-7, 2007
  - International Symposium on Near-Term
     Solutions
- March 12, 2007
  - Climate Action Team public meeting

## **Early Action Measures— Milestones**

- April 2007
  - Public workshop on draft staff proposal
- May 2007
  - Staff proposal released
- June 2007
  - Board meeting
- January 2010
  - Regulations enforceable

#### **Recognition of Voluntary Action**

- Identify opportunities for emission reductions from all verifiable and enforceable voluntary actions, including carbon sequestration projects and best management practices
- Ensure that entities that have voluntarily reduced emissions receive appropriate credit

#### **Recognition of Voluntary Action**

- Adopt methodologies for quantification of voluntary emission reductions
- Adopt regulations to verify and enforce any voluntary emission reductions to comply with GHG emission limits

#### Recognition of Voluntary Action— Milestones

- May 2007
  - Initial workshop on framework for treatment of voluntary activities
- Summer-Fall 2007
  - Agreement on framework, begin work on nearterm actions
- February 2008
  - Workshop to integrate applicable longer-term actions into scoping plan

#### **Implementation**

- Assembling team (existing and new staff hires, external experts)
- Open, transparent process
- Intensive consultation
  - Cal/EPA, Climate Action Team
  - Advisory Committees
  - National and international experts
  - Stakeholders

#### **Contacts and More Information**

- ARB Climate Change Web Site
  - http://www.arb.ca.gov/cc/cc.htm
  - Stay informed sign up for list serve
- California Climate Change Portal
  - http://climatechange.ca.gov
- Chuck Shulock (916) 322-6964 cshulock@arb.ca.gov
- Richard Varenchik (626) 575-6730 rvarench@arb.ca.gov
- James Goldstene (916) 445-8449 jgoldste@arb.ca.gov